Thermal Management Module
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Description
• Coolant routing unit for thermal operation of connected system components according to requirements
• Precise control of volume flows using an electromechanically driven rotary slide valve unit controlled by a position sensor

Functional advantages
• Fail-safe control of a number of connections
• Significant reduction in the warm-up phase due to the retention of thermal mass in the cooling system
• Precise temperature control for increasing the efficiency of the cylinder head, cylinder block, engine oil, transmission oil, interior heating etc.
• Also suitable for controlling the temperature of generators, hybrid modules and batteries

Product benefits
• Reduced pressure loss
• Integration of several switching functions into one module
• Low integration outlay due to compact design with a high integration capability
• Rapid warm-up phase of the engine results in increased availability of the start-stop system
• Improved CO₂ efficiency, lower emissions and better cabin comfort due to short warm-up phases